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June 30, 1965

TECHNICAL TRANSLATIONS

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CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
An agency of the U.S. Department of Commerce

June 30, 1965 Volume 13, Number 12

TECHNICAL TRANSLATIONS

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PURPOSE

Technical Translations announces to the public the availability and provides order information for translated scientific and technical reports, periodicals and books. Although most of the literature has been translated into English, some is in other Western European languages. The language of the translation, if other than English, is noted in the citation. Most of the material is of Soviet origin, but works from Eastern and Western European countries and from the Orient, especially Japan and Communist China, are also cited. In order to avoid duplication of effort, translations in process are also announced.

FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are listed alphabetically by author or title under broad subject headings.

(2) Book Reviews of translated scientific and technical literature are listed.

(3) Translations in Progress: lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(4) Translated Periodicals: "Periodicals Translated Cover-To-Cover" lists titles of approximately 190 technical and scientific periodicals regularly translated into English. "Tables of Contents of Recently Translated Journal Issues" are included; they are preceded by a list of the foreign titles of the journals from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and translation number.

HOW TO ORDER

Each bibliographic entry contains the acronym or initials of the agency from which the translation is to be ordered; these are keyed to the complete list of ordering addresses preceding the first section. Order by the title and number given in the citation. Translations available from the Clearinghouse (CFSTI) often have alternative prices cited as hard copy (HC) and microfiche copy (MF). Make check or money order payable to agency indicated. Most of the literature is available from the Clearinghouse, the Special Libraries Association Translations center (SLA), or the European Translations Centre (ETC).

REFERENCE SERVICE

Reference services for the location and identification of translated materials, completed or in process, are provided by the Clearinghouse, Special Libraries Association Translations Center, and the European Translations Centre. Mailing addresses are listed in the pages headed "How To Order Translations."

TRANSLATORS

The work of translating the material listed is being done at many points, domestic and foreign, government and private. Among them are the Joint Publications Research Service, which translates foreign research at the request of other Federal agencies; commercial translators; publishers; and universities. The Special Foreign Currency Science Information Program, administered by the National Science Foundation, produces translations prepared in the participating countries of Israel, Poland and Yugoslavia. The Special Libraries Association is responsible for collecting translations from non-government sources, domestic and foreign; and the Clearinghouse from foreign and U.S. Government sources. Translators may have their works cited in the journal by sending the bibliographic and availability information to the Clearinghouse. A copyright release statement is required if the works are to be sold by the Clearinghouse.

U.S. DEPARTMENT OF COMMERCE
John T. Connor, Secretary

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
Springfield, Va. 22151
Bernard M. Fry, Director

Contents may be reprinted freely. Mention of source will be appreciated.
Use of Funds for printing this publication approved by the Director of the Bureau of the Budget, November 22, 1961.

special ANNOUNCEMENTS

NEW DEPOSIT ACCOUNT SYSTEM

Establishment of a new deposit account system for the purchase of Clearinghouse documents has become necessary because of the increased use of Superintendent of Documents deposit accounts for this purpose.

While deposit account customers may be inconvenienced initially, we believe that the new system, developed in cooperation with the Superintendent of Documents, will enable us to improve customer billing services and to process document orders more quickly and efficiently.

Changes in the system, effective July 1, are:

1. Clearinghouse purchases can no longer be charged to "regular" Superintendent of Documents deposit accounts (numbered under 75,000), although these accounts should be maintained by customers who purchase documents from the Superintendent of Documents (GPO).

2. A "special" deposit account must be opened for the purchase of Clearinghouse documents -- the account will be assigned a number above 75,000. This account can be used only for Clearinghouse documents.

3. To establish a Clearinghouse deposit account, send a minimum deposit of $25 to the Clearinghouse, U. S. Department of Commerce, Springfield, Virginia, 22151, ATTN: Code 410.60.

4. Once a month the Clearinghouse deposit account holder will receive a statement of his account showing the opening balance, the cost of orders completed, deposits received, and closing balance. In addition to the monthly statement, as each order is filled the customer will receive a receipted copy of our order control form showing documents shipped, total cost, and deposit account charge made.

5. Customers who do not wish to establish a Clearinghouse deposit account must send payment for documents with their orders.

We hope that customers will take advantage of the Clearinghouse deposit account system, since it will assist us in providing customers with accurate and fast service and it will reduce -- for both customers and the Clearinghouse -- the clerical work involved in handling orders.

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CUMULATIVE INDEXES

The following Cumulative Indexes for Technical Translations are available from Superintendent of Documents, Government Printing Office, Washington, D. C. 20402:

Volume 10	July - December	1963	$2.00
Volume 9	January - June	1963	$1.00
Volume 8	July - December	1962	$1.00
Volume 7	January - June	1962	$1.00
Volume 6	July - December	1961	$1.00
Volume 5	January - June	1961	$1.00
Volume 4	July - December	1960	$1.00
Volume 3	January - June	1960	$1.00
Volume 2	July - December	1959	$3.00
Volume 1	January - June	1959	$1.50

HOW TO ORDER TRANSLATIONS

The translations reported in this issue are arranged under the categories indicated in the Contents. The sub-groups of the categories are flexible and used only when there are several translations in a particular sub-group. When the subject of a sub-group is not included in the Contents, reference should be made to the general category into which it falls.

References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

Some of the translation notes for individual translations have been marked with the symbol (#) preceding the name of the journal. This symbol indicates that the particular journal is also translated cover-to-cover.

Listed below are agencies from which translations may be purchased. Each entry in the Technical Translations indicates by symbol the agency from which the translation should be ordered, the cost of the translation (if known), and the number by which the translation may be ordered, if such a number exists. Make check or money order payable to the agency indicated.

SYMBOLS FOR SOURCES OF TRANSLATIONS

AC
A. Capelo
P. O. Box 46354
Hollywood, California 90046

AGI
AGI Translations Office
American Geological Institute
1444 N Street, N. W.
Washington, D. C. 20005

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
Suite 506, 1145 19th Street, N. W.
Washington, D. C. 20036

AIAA
American Institute of Aeronautics & Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N. W.
Washington, D. C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. & The Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Avenue
New York, New York 10003

ARS
American Rocket Society, Inc.
20th & Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron & Steel Institute
4, Grosvenor Gardens
London, S. W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

CBT
Centre Belge de Traductions
Bibliotheque Royale
4 Boulevard de l'Empereur
Brussels, Belgium

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CFSTI
Clearinghouse for Federal Scientific & Technical Information (Formerly Office of Technical Services)
Port Royal & Braddock Roads
Springfield, Virginia 22151
(Also available through Department of Commerce Field Offices)

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion,
Patronato Juan de la Cierva,
Serrano 150, Apartado 743
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIR
Council for Scientific and Industrial Research
The Head
Information Division
P. O. Box 395
Pretoria, Republic of South Africa

CSIRO
Commonwealth Scientific & Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D. C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Doelenstraat 101, Delft,
The Netherlands

ETH
Eidgenossische Technische Hochschule
Zurich, Switzerland

ETHB
Eidgenossische Technische Hochschulbibliotek
Leonhardstrasse 33
Zurich, Switzerland

EURO-T.S.
Euro-Translation Service
20 Rue Europe
Grivegnée (Liège), Belgium

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D. C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire, England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue.
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P. O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. B. 569
London, S. E. 1, England

HTCBN
Hungarian Trading Company for Books & Newspapers "Kultura"
Budapest 62, P. O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Connecticut 06097

INT
International Patent Service N. V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
Kiryat Moshe
P. O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air, Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D. C. 20540

LNEC
Laboratorio Nacional de Engenharia Civil
Ministerio das Obras Publicas
Avenida do Brasil
Lisbon 5, Portugal

LS
Lingua Scientiae
Box 21086 Campus Station
Cincinnati, Ohio 45221

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S. E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MFA/TS
Metal Finishing Abstracts Translation Services
85 Udney Park Road
Teddington, Middlesex, England

MPIK
Max-Planck-Institut fur Kohlenforschung
Bibliothek der Abteilung Strahlenchemie Stiftstrasse 34-36
433 Mulheim and der Ruhr,
West Germany

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N. W.
Washington, D. C. 20546

NLL
National Lending Library for Science and Technology
Boston Spa, Yorkshire, England

NRCC
National Research Council, Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

PANSDOC
Pakistan National Scientific and Technical Documentation Centre
2/141-S
P. E. C. H. S.
Karachi 29, Pakistan

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
44-01 21st Street
Long Island City, New York

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N.W.
Washington, D. C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
44-01 21st Street
Long Island City, New York

SA
Seizaburo Aoki
Japanese Language Translation Service
15/2027 Chogo
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

SSSA
Soil Science Society of America, Inc.
Program Director, Soviet Soil Science
677 South Segoe Road
Madison, Wisconsin 53711

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N. W.
Washington, D. C. 20005

STC
Swedish Translation Centre
Kunglige Tekniske Hogskolans
Bibliotek
Stockholm, Sweden

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, Calif 91200

STT
SCIENTECH, Scientific &
Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TC
Trans-Chem
Chemical Translation Service
1216 Oakdale, S. E.
Knoxville, Tennessee 37914

TDL
Mr. John Wiley
Technical Development
Laboratories
P. O. Box 769
Savannah, Georgia 31400

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street,
London, E.C. 4, England

TIB
Technische
Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patent Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation and Technical
Information Services
32 Manaton Road
London, S.E. 15, England

UBO
Royal University Library
Drammensveien 42B
Oslo, Norway

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba
Hamamatsu-Cho
Minato-Ku, Tokyo, Japan

UNITED STATES DEPARTMENT OF COMMERCE
Clearinghouse for Federal Scientific and Technical Information
Formerly Office of Technical Services
Springfield, Va. 22151

TECHNICAL TRANSLATIONS

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BIBLIOGRAPHY

Library of Congress, Washington, D. C.
MONTHLY INDEX OF RUSSIAN ACCESSIONS.
Order from GPO $12.00/year

This index is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Wherever possible, publications printed in other languages spoken in the Soviet Union are also included. It consists of three parts; Part A lists monographic literature published after 1944, with the title in the original language preceded by its English translation; Part B lists periodicals published after 1946; Part C constitutes a subject guide to both the monographs and periodical articles listed in Parts A and B.

AGRICULTURE

SOVIET AGRICULTURE: TRANSLATIONS NO. 51.
23 Nov 64 [24p] JPRS: 27492.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-64-51741

Consists of 3 articles from Jul-Oct 64 issues of Russian newspapers.

Available copy will not permit fully legible reporduction.

Bobkov, I.N.
PHOSPHOROBACTÉRINE. PRODUIT EFFICACE ET BON MARCHÉ POUR AUGMENTER LE RENDEMENT DE LA RÉCOLTE. 7p. CNRS-II 87.
Order from ETC or CNRS $1.10 TT-62-28838

Trans. in French of Dostizheniya Nauki i Tekhniki i Peredovoi Opyt Selskoe Khozyaistvo (USSR) [sic] 1955, no. 2, n.p.

Dragavtsev, A.
FRUIT GROWING IN MOUNTAINOUS AREAS. USSR Industrial Development: Soviet Tractors and Agricultural Machinery no. 157. 3 Dec 64 [6p] JPRS: 27655.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-64-51851

Trans. from Sel'skaya Zhizn' (USSR) 1964, 10 Oct, p. 4.

Goryachev, I. M. and Abramov, D. A.
POLYMERS AND FORESTRY MACHINE BUILDING [AND] IMPROVEMENT IN BUILDING OF LUMBERING MACHINES. USSR Industrial Development; Soviet Tractors and Agricultural Machinery no. 164.
21 Jan 65 [13p] JPRS: 28386.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-65-30168

Trans. of Lesnaya Promyshlennost' (USSR) 1964 [v. 42] no. 6, p. 3-6, inside rear cover.

Ishanov, A.
OPERATION OF THE NEW "KhT-1.2" COTTON-PICKING MACHINE [AND] NEWSBRIEFS. USSR Industrial Development: Soviet Tractors and Agricultural Machinery no. 161. 30 Dec 64 [8p] JPRS: 28055.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-65-30021

Trans. from Kommunist Tadzhikistana (USSR) 1964, 21 Oct, p. 3 and Pravda, Moscow (USSR) 1964, 21 Nov, p. 4.

Available copy will not permit fully legible reproduction.

Mitrokhina, N.
BETTER HIGH-LEVEL PLANNING CAN INCREASE EFFICIENCY OF FARM MACHINE MANUFACTURE [AND] INDUSTRIAL PRODUCTION OF MEAT-CHICKENS (BROILERS). USSR Industrial Development: Soviet Tractors and Agricultural Machinery no. 163.
21 Jan 65 [12p] JPRS: 28372.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-65-30160

Trans. of V[ystavka] D[ostizhenii] N[arodnogo] Kh[ozyaistva] SSR. Informatsionnyi Byulleten', 1964, no. 11, p. 20; and from Sovetskaya Litva (Lithuanian SSR) 1964, 29 Nov, p. 2.

Nagasawa, Masao and Yamada, Asaichi.
LETHAL AGENTS FOR INJURIOUS LIVING ORGANISMS. 9p
Order from SLA $1.10 TT-64-30156

Trans. of Japanese patent publication Showa 32-5595, appl. Showa 29-11,722, class 30 F 37, 30 F 91, and 30 F 922, by Anbara Agricultural Chemicals Co., Ltd., filed 7 June 54, pub. 26 July 57 (Priority: U. S., No. 784,032).

Seredenko, B.
METHODS OF REDUCING EXPENDITURES OF LABOR AND CAPITAL. USSR Industrial Development: Soviet Tractors and Agricultural Machinery no. 159. 17 Dec 64 [12p] JPRS: 27887.
Order from CFSTI or ETC HC $1.00, MF $0.50 TT-64-51959

Trans. of Zernobobovye Kul'tury (USSR) 1964, no. 9, p. 1-3.

Available copy will not permit fully legible reproduction.

Svetlichnyi, V., Pervitskii, V., and Anishchenko, A.
LECTURES AT CORRESPONDENCE UNIVERSITY FOR THE STUDY OF AGRICULTURAL ECONOMICS AND ORGANIZATION [AND] HIGH PRODUCTIVITY OF AGRICULTURAL AVIATION. USSR Industrial Development: Soviet Tractors and Agricultural Machinery no. 156. 2 Dec 64 [64p] JPRS: 27644.
Order from CFSTI or ETC HC $3.00, MF $0.75 TT-64-51845

Trans. of Ekonomika Sel'skogo Khozyaistva (USSR) 1964 [v. 35] no. 8, p. 31-67, 110-113.
Another trans. of p. 110-113 is available from CFSTI HC $1.00, MF $0.50 as TT-64-51417, JPRS-27161 [6p].

Available copy will not permit fully legible reproduction.

Zhurbitskii, Z. I. and Egorova, L. A.
SCIENTIFIC-METHODOLOGICAL CONFERENCE ON THE USE OF HYDROPONICS IN AGRICULTURE [KIEV, MAY 64]. 3 Dec 64 [11p] JPRS: 27656.
Order from CFSTI or ETC HC $1.00, MF $0.50 TT-64-51852

Trans. of Agrokhimiya (USSR) 1964, no. 5, p. 165-169.

Zykov, D. A.
SOIL EROSION IN KAZAKHSTAN AND MEASURES TO CONTROL IT. 14 Jan 65 [13p] JPRS: 28292.
Order from CFSTI or ETC HC $1.00, MF $0.50 TT-65-30127

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Vestnik, 1964 [v. 20] no. 1[226] p. 3-10.

Plant Cultivation

ANTI-MILDEW PRODUCTS. 2p
Order from SLA $1.10 TT-64-30259

Trans. of French patent 913,966, by Soc. des Usines Chimiques Rhone-Poulenc, 11 June 46.

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 135. 14 Jan 65 [43p] JPRS: 28291.
Order from CFSTI or ETC HC $2.00, MF $0.50 TT-65-30126

Trans. of T'u Jang Hsüeh Pao (Chinese People's Republic) 1964 [v. 12] no. 1, p. 13-18, 33-38, 43-46.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

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COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 136. 15 Jan 65 [34p] JPRS: 28321.
Order from CFSTI or ETC HC $2.00, MF $0.50 TT-65-30138

Trans. of Chung Kuo Nung Yeh K'o Hsüeh (Chinese People's Republic) 1963, no. 10, p. 1-12, 42-43.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Available copy will not permit fully legible reproduction.

IMPROVED INSECTICIDE. 5p 1ref
Order from SLA $1.10 TT-64-30260

Trans. of French patent 943,184, by Imperial Chemical Industries Ltd., filed 27 Sep 45, granted 4 Oct 48, pub. 1 Mar 49.

METHOD FOR THE COMBATTING OF NEMATODES AND FOR THE PREPARATION OF COMPOSITIONS FOR THAT PURPOSE. 4p 2refs
Order from SLA $1.10 TT-64-30198

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CUBA: TRANSLATIONS NO. 163. 6 Aug 64 [56p] JPRS: 25744.
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Trans. of 18 articles and 14 news briefs from Jun-Jul 64 issues of various Cuban newspapers and Gospodarka Planowa (Poland) 1964 [v. 19] no. 6, p. 55-59.

CUBA: TRANSLATIONS NO. 164. 7 Aug 64 [84p] JPRS: 25784.
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CUBA: TRANSLATIONS NO. 204. 23 Nov 64 [43p] JPRS: 27470.
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Trans. of 7 articles and newsbriefs from Oct 64 issues of Cuban newspapers.

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INDEX OF LE MONDE NO. 53. 14 Oct 64 [38p] JPRS: 26897.
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Trans. of Priroda (USSR) 1964, v. 53, no. 11, p. 2-9, 34-44, 111-112.

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NEWS OF MOSCOW STATE UNIVERSITY. 16 Dec 64 [25p] JPRS: 27878.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-64-51953

Trans. of 6 articles from Pravda, Moscow (USSR) 1964, 13 Sep.

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Consists of 6 articles from Apr-Nov 64 issues of Russian journals and newspapers.

PHILOSOPHICAL PROBLEMS IN SCIENCE. 29 Dec 64 [47p] JPRS: 28029.
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Trans. of Voprosy Filosofii (USSR) 1964 [v. 18] no. 10, p. 59-82, 151-157.

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PRESS INFORMATION REPORT ON ALBANIA NO. 97. 28 Jul 64 [30p] JPRS: 25619.
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Contains translations of selected articles from various Albanian newspapers and periodicals.

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Contains excerpts and reviews of articles from current Russian periodicals.

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TT-64-41060

Contains excerpts and reviews of articles from current Russian periodicals.

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Burtsev, L. and Malyutin, P., and Voronkov, A.
METHODS OF IMPROVING CAPACITY IN THE MEAT-PACKING INDUSTRY [AND] ESTABLISHING TEMPORARY RETAIL PRICES FOR ARTICLES OF NEWLY RENOVATED ASSORTMENTS.
USSR Consumer Goods and Domestic Trade: Translations no. 67. 23 Nov 64 [22p] JPRS: 27490.
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Trans. of Myasnaya Industriya SSSR, 1964 [v. 35] no. 4, p. 3-6; Sovestskaya Torgovlya (USSR) 1964 [v. 37] no. 8, p. 8-12.

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Kortum, H.
COMMENTS ON SOME OF THE PROBLEMS IN AUTOMATION ENGINEERING AND CYBERNETICS.
22 Dec 64 [8p] JPRS: 27945.
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Trans. of Feingeräte Technik (East Germany) 1964 [v. 13] no. 9, p. 386-388.

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Krustanov, L.
REPORT ON THE ACTIVITIES OF THE BULGARIAN ACADEMY OF SCIENCES DURING 1963.
2 Dec 64, 53p JPRS: 27648.
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TT-64-51848

Trans. of Bulgarska Adademiya na Naukite. Spisanie, [1964] v. 9, no. 1/2, p. 4-46.

Rudakov, A. S.
ANALYSIS OF THE STRUCTURE OF THE CONSTRUCTION OF SIGNS. Foreign Developments in Machine Translation and Information Processing no. 155.
25 Mar 64, 14p 1ref JPRS: 23851.
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TT-64-21884

Trans. of Moskovskoe Vysshee Tekhnicheskoe Uchilishche, Vychislitel'naya Tekhnika (USSR) 1963, no. 3, p. 153-164.

Shamurin, E. I., ed.
UNIVERSAL DECIMAL CLASSIFICATION, ABRIDGED TABLES: EXCERPTS. 19 Jan 65 [25p] JPRS: 28366.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-65-30157

Partial trans. of mono. Universal'naya Desyatichnaya Klassifikatsiya, Sokrashchennye Tablitsy, Moscow, 1962.

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Sotskov, B. S.
PARAMETERS AND CHARACTERISTICS OF AUTOMATION ELEMENTS. Apr 64, 17p
NASA TT F-8859.
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N65-18179

Trans. of Russian mono. (unpublished manuscript) Parametry i Kharakteristiki Elementov Avtomatiki, n. p., n. d.

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Glukhovskii, A. M. and Shyikin, E. A.
STALINABAD
D. K., tr. 16 Jul 64, 5p 1-4976.
Order from CFSTI or ETC HC $1.00, MF $0.50
TT-65-61620

Abstract trans. of mono. Stalinabad, issued by Stalinabad Polygraph Combine, 28 Oct 57.

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Birshtein, T. M. and Ptitsyn, O. B.
CONFORMATION OF MACROMOLECULES.
Unidentified mono. n.p., n.d.
To be published by John Wiley & Sons, Inc., 605 Third Ave., New York, N. Y. 10016

Kuz'menko, V. A.
SONIC AND ULTRASONIC VIBRATIONS IN THE DYNAMIC TESTING OF MATERIALS.
Mono. Evukovye i Ul'traevukovye Kolebaniya pri Dinamicheskikh Ispytaniyakh Materialov.
To be published by CB in 4th quarter 65.

Lazarev, N. I.
THEORETICAL BASIS OF THE PROPHYLAXIS AND THERAPY OF DISHORMONAL TUMORS.
Mono. Teoreticheskie Osnovy Profilaktiki i Terapii Disgormonal'nykh Opukholei, Moscow, 1963.
To be published by CB in 1st quarter 66.

Lebedev, L. M.
METACOLLOIDS IN ENDOGENIC DEPOSITS.
Mono. Metakolloidy v Endogennykh Mestorozhdeniyakh.
To be published by CB in 4th quarter 65.

OPTICAL MATERIALS FOR INFRARED TECHNIQUES.
Mono. Opticheskie Materialy dlya Infrakrasnoi Tekhniki [Moscow] 1965.
To be published by CB in 1st quarter 66.

Shatalova, I. G.
PHYSICO-CHEMICAL PRINCIPLES OF VIBRATORY COMPACTING.
Mono. Fiziko-khimicheskie Osnovy Vibratsionnogo Uplotnoniya Poroshkovykh Materialov, Moscow, 1965.
To be published by CB in 1st quarter 66.

Svet, D. Ya.
TEMPERATURE RADIATION OF METALS AND SOME OTHER SUBSTANCES.
Mono. Temperaturnoe Izluchenie Metallov i Nekotovykh Veshchestv.
To be published by CB in 1st quarter 66.

Vargin, V. V.
CATALYTIC CONTROL OF THE CRYSTALLIZATION OF GLASS IN LiA1Si SYSTEMS.
Mono. Katalizirovannaya Reguliruyemaya Kristallizatsia Stekol Litievoalyumosilikatnoi Sistemy, Moscow, 1961.
To be published by CB in 1st quarter 66.

Yaglom, I. M.
COMPLEX NUMBERS AND THEIR APPLICATION TO GEOMETRY.
Mono. Kompleksnye Chisla i Ikh Primenenie v Geometrii, Moscow, 1963, 192p.
To be published by API Spring 66.

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This basic list is kept up-to-date by giving only changes in the subsequent issues of Technical Translations.

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AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Biochemistry)
Translation begins with 1957, v. 112, nos. 1-6- Bimonthly
1957, v. 112-117, available from CB, $65.00/year
1958-1961, v. 118-141, available in single issues individually priced from CFSTI
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Series II, 1955-1964, v. 1-44, 1965, v. 45-

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(Pharmacology and Toxicology)
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New York, New York 10011

ISKUSSTVENNYE SPUTNIKI ZEMLI
(Artificial Earth Satellites)
Bimonthly
Translation of 1958-1963, v. 1-17.
1958-1961, v. 1-6, available from Plenum Press
1962, v. 7-12, and 1963, v. 13-17 from CB, $75.00/year
Later issues incorporated in Kosmicheskie Issledovaniya, which see

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KOSMICHESKIE ISSLEDOVANIYA
(Cosmic Research)
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1963, v. 1, available from CB (3 issues), $50.00
1964, v. 2-
(Another translation is available from CFSTI in single issues individually priced)

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METALLOVEDENIE TERMICHESKAYA OBRABOTKA METALLOV
(Metal Science and Heat Treatment of Metals)
Translation begins with 1959, no. 1- Monthly
1959-1964, $24.00/year
1965-

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Consultants Bureau Enterprises, Inc. $75.00/year
227 West 17th Street
New York, New York 10011

METALLURG
(Metallurgist)
Translation begins with 1957, v. 2, nos. 1-2- Bimonthly
1957-1958, v. 2-3, $95.00/year; 1959-1964, v. 4-9, $25.00/year
1965, v. 10-

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OGNEUPORY
(Refractories)
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1960-1964, v. 25-29, $16.00/year
1965, v. 30-

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POROSHKOVAYA METALLURGIYA
(Soviet Powder Metallurgy and Metal Ceramics)
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Bimonthly through 1964; monthly, 1965-
1962-1964, v. 2-4, $80.00/year
1965, v. 5-

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RADIOKHIMIYA
(Soviet Radiochemistry)
Translation begins with 1960, v. 2-
Bimonthly
1960-1961, v. 2-3, titled "Radiochemistry", available from CFSTI, $2.75/two issues; single issues not available
1962, v. 4-

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Springfield, Virginia 22151

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(Journal of General Chemistry)
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Monthly
1949-1954, v. 19-24, $95.00/volume; 1955, v. 25, $115.00; 1956, v. 26, $175.00; 1957-1959, v. 27-29, $90.00/volume; 1960, v. 30, $120.00; 1961-1964, v. 31-34, $160.00/volume
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ALL-UNION SCIENTIFIC METEOROLOGICAL CONFERENCE

(Vsesoyuznoe Nauchnoe Meteorologicheskoe Soveshchanie)

(NO. 1) LENINGRAD, 1961. PROCEEDINGS, VOL. 4, LENINGRAD, 1963

METHODS AND INSTRUMENTS FOR METEOROLOGICAL OBSERVATIONS

- USSR -

Following is a translation of twelve articles in the Russian language publication Trudy vsesoyuznogo nauchnogo meteorologicheskogo soveshchaniya (Proceedings of the All-Union Scientific Meteorological Conference), Vol. IX, Pribory i metody nablyudeniy (Instruments and Methods of Observation), edited by M. S. Sternzat, Candidate in Physical and Mathematical Sciences, sponsored by the Main Administration of the Hydrometeorological Service, Council of Ministers of the USSR, Hydrometeorological Publishing House, Leningrad, 1963. Names and affiliations of authors accompany each article.

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(Chung Kuo Nung Yeh K'o Hsüeh)

1963, NO. 10

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No. 136

(Articles from China Agricultural Science)

This serial publication contains summaries or translations (as indicated) of selected articles on Communist China's Science and Technology, on the specific subjects reflected in the table of contents.

This report contains the translation of three articles from the Chinese-language periodical, Chung-kuo Nung-yeh K'o-hsueh (China Agricultural Science), No. 10, 15 October 1963, Peiping. Complete bibliographic information accompanies each article.

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Measurement Techniques

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Measurement Techniques

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Our attention has been called to the potential interest in and importance of the actual publication date of the original Russian edition of Izmeritel'naya Tekhnika, notably with regard to U.S. Patent matters. This information is not readily or routinely available. However, we can and hereafter will undertake to supply in each issue of our translation the date known in Russian as "podpisano k pechati." This is the approximate equivalent of "approved for printing," and may be from a day or two to possibly a month before the date of physical delivery of a printed and bound copy of the original Russian issue into the hands of the public. Anyone concerned with the exact date of publication may be sure that it did not occur prior to this date, and may assume that publication took place reasonably soon thereafter.

The "podpisano k pechati" date of each issue will appear immediately following the Table of Contents in the form shown below.

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Measurement Techniques

A translation of Izmeritel'naya Tekhnika, a publication of the Academy of Sciences of the USSR

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Measurement Techniques

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MEDICAL GAZETTE

(Meditsinskaya Gazeta)

1964, VOL. 27, NO. 81, 9 OCT

- USSR -

[Following is a translation of five articles in the Russian-language newspaper Meditsinskaya Gazeta (Medical Gazette), No 81, 9 October 1964, Moscow. Complete bibliographic information accompanies each article.]

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(Meditsinskaya Parazitologiya i Parazitarnye Bolezni)

1964, VOL. 33, NO. 4

- USSR -

[Following is a translation of nine articles in the Russian-language journal Meditsinskaya Parazitologiya i Parazitarnyye Bolezni (Medical Parasitology and Parasitic Diseases), Moscow, Vol XXXIII, No 4, 1964. Authors and original page numbers appear with each article.]

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1964, VOL. 53, NO. 11

[Following is a translation of three articles in the Russian-language periodical Priroda (Nature), Moscow, Vol 53, No 11, November 1964. Complete bilbiographic information accompanies each article.]

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NEWS OF THE ACADEMY OF SCIENCES USSR. BIOLOGICAL SERIES

(Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya)

1964, VOL. 29, NO. 6

RADIATION EFFECTS ON PLANTS AND GRAVITY EFFECTS ON THE ANIMAL ORGANISM

- USSR -

/Following is the translation of three articles from the Russian-language journal Izvestiya Akademii Nauk SSSR, Seriya Biologicheskaya (News of the Academy of Sciences USSR, Biological Series), No 6, November-December, 1964, Moscow. Additional bibliographic data accompanies each article./

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(Fiziologichnyi Zhurnal)

1964, VOL. 10, NO. 5

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- USSR -

Following is a translation of five articles in the Ukrainian-language journal Fiziologichnyy Zhurnal Akademiyi Nauk Ukrayinskoyi RSR (Physiological Journal of the Academy of Sciences Uk. SSR), Kiev, Vol. X, No. 5, September-October 1964. Complete bibliographic information accompanies each article.

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Milwaukee, Wis., 53203, Straus Bldg., 238 W. Wisconsin Avenue. Phone: BR 2-8600.
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